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**CENTRAL INTELLIGENCE GROUP**  
INTELLIGENCE REPORT

COUNTRY Poland

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SUBJECT Power Plants and Power Lines

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SUPPLEMENT

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1. A new high tension electricity line for 220,000 volts is to be built from Silesia via Lodz to Warsaw. Work on the first sector from Silesia to Lodz was started on 4 April 1947 and is to be completed this year. This sector will be 161 km. long and will extend as follows: Legisza (near Bedzin) - Gzestochowa - Radomsko - Piotrkow - Janow (near Lodz) - Lodz. Estimated cost of construction is about 700,000,000 zl.
2. Technical details of the line are as follows. There will be 350 pylons, each 28 m. high. The cable, totaling 900 tons in weight, will be composed of steel wire to support the weight covered with plaited aluminum wire to carry the current. The diameter of the cable will be 28 mm. The cable will be suspended between pylons at a height of not less than 6.7 m. over fields and 8.5 m. over roadways. It will be affixed to the pylons by means of insulators 3 m. long. Each pylon will be provided with two grounded lightning conductors. The line at present under construction will not attain the projected high tension of 220 kw. for another two years, pending the arrival of transformers from abroad. For the time being the tension will be 110 kw. and Lodz will be supplied with 20,000 kw.
3. Two 12,500 kw. turbo-generating units have been repaired and were put into commission on 3 March 1947 in the electric power station at Roznow (on the Dunajec river between Tarnow and Nowy Sacz). This station is now restored to its pre-war power of 50,000 kw.
4. The electric power station at Ludwikowo, in the Kladsko (Glatz) District, consists of three turbo-generator units and employs 306 workers. The steam boiler plant has a daily coal consumption of 70 tons. During the period August 1946 - 10 May 1947 production was 111,000,000 kwh.

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